Project Development Phase Model Performance Test

| Date | 10 February 2025 |
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| Team ID | LTVIP2025TMID33633 |
| Project Name | Grain pallette -a deep learning odyssey in rice |
| | type classification |
| Maximum Marks | 10 Marks |

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

| 1 | Metrics | Regression Model: |
|----|----------------|--|
| | | MAE-N/A,MSE-N/A,RMSE-N/A,R2-N/A |
| | | Classification: |
| | | Accuracy score:98% |
| | | Classification reports: |
| | | Class 0 precision 0.92 Recall 0.94 F1 score 0.94 |
| | | Class 1 precision 0.91 Recall 0.94 F1 score 0.97 |
| | | Class 2 precision 0.93 Recall 0.97 F1 score 0.92 |
| | | Class 3 precision 0.96 Recall 0.92 F1 score 0.98 |
| | | Class 4 precision 0.97 Recall 0.95 F1 score 0.93 |
| 1. | Tune the Model | Hyperparameter Tuning - |
| | | Learning rate=0.0001, |
| | | Optimizer=Adam, |
| | | Batch size-32 |
| | | Validation Method - |
| | | Train and Validation with separate Folders |
| | | |

Screenshots: Accuracy Score:

Tuning Model:

Validation Folder structure:

